



Philly Goat Project (PGP)

Educational Field Trips & PA Department of Education Standards

Updated 8/14/24

We are excited to welcome your students on their field trip to the **Philly Goat Project**, at the Farm at Awbury.

- Each of the Philly Goat Project Farm Field Trips **satisfy several PA Department of Education State Standards**, including the new (2025) **STEELS** standards.
- To enable you to meet a variety of additional standards, we provide **pre-trip lessons & activities** that help to prepare students for their visits, as well as **post-trip lessons & activities** to extend their learning afterwards.
- See the chart below for details on each program offering. Once you are ready to schedule, click [HERE](#).

Lesson 1: Goats are the G.O.A.T.!	Grade	PA Standards
<p>Simone Biles is known as the gymnastics G.O.A.T. (Greatest Of All Time). While most of us are not world-class gymnasts, we are all surprisingly like goats in many ways.</p> <p>In this hands-on program, students will:</p> <ul style="list-style-type: none"> • spend time with goats; • walk goats through nature; • observe and study goat anatomy, adaptations, and physiology; • compare and contrast these new understandings to our own features and behaviors. <p>For the older grades:</p> <ul style="list-style-type: none"> • the field trip program is an excellent launching point for satisfying many of the new STEELS standards; • topics introduced in the program can be followed up in the classroom with more sophisticated analysis and research related to: <ul style="list-style-type: none"> o adaptations o natural vs artificial selection o comparative anatomy o and more... <p>Pre- and post-trip lessons/activities are provided.</p>	K-5 th	<p><i>STEELS</i></p> <p>3.1.4.A 3.1.K.A 3.1.4.B 3.1.3.D 3.1.3.G</p> <p><i>Common Core:</i> English CC.1.5.PK-5.A CC.1.5.PK-5.B CC.1.5.PK-5.C</p>
	6-8 th	<p><i>STEELS</i></p> <p>3.4.6-8.A 3.4.6-8.B</p> <p><i>Common Core:</i> English CC.1.2.6-8.G CC.1.4.6-8.A CC.1.5.6-8.A, C</p>
	9-12 th	<p><i>STEELS</i></p> <p>3.4.9-12.A</p> <p><i>Common Core:</i> English CC.1.2.9-12.G CC.1.4.9-12.A CC.1.5.9-12.A, C</p>

Lesson 2: Goats and Graphs	Grade	PA Standards
<p>We associate a lot of things with goats, but math usually isn't one of them – until now! This program is an excellent launching point for a study of experimental design, the design-thinking process, and concepts connected to Environmental Literacy and Sustainability (STEELS).</p> <p>In this hands-on program, students will:</p> <ul style="list-style-type: none"> • use both qualitative and quantitative observations to learn about goats and their care. • work up-close and hands-on with a goat to test a prediction, collect data, conduct repeated trials, and analyze the results. • make memorable and authentic connections between classroom math concepts and the real world! <p>Pre- and post-trip lessons/activities are provided.</p>	6-8 th	<p><i>STEELS</i> 3.5.6-8.O</p> <p><i>Common Core: Math</i> CC.2.1.7.D.1 CC.2.4.7.B.1</p> <p><i>Common Core: English</i> CC.1.2.6-8.G CC.1.4.6-8.A CC.1.5.6-8.A, C</p>
	9-12 th	<p><i>Common Core: Math</i> CC.2.4.HS.B.5</p> <p><i>Common Core: English</i> CC.1.2.9-12.G CC.1.4.9-12.A CC.1.5.9-12.A, C</p>
Lesson 3: The History of Goats – A Migration Story	Grade	PA Standards
<p>Goats were among the first species domesticated by humans more than 10,000 years ago. The two main breeds at PGP – the <i>Nigerian dwarf goat</i> and the <i>Nubian goat</i> – originate from regions of Africa where they were bred for specific needs, such as dairy production and meat.</p> <p>In this lesson students will:</p> <ul style="list-style-type: none"> • learn why PGP's particular breeds were first developed and how they came to be so widespread. • work up-close and hands-on with a PGP goat to observe and understand the traits that enabled it to thrive in its original habitat, as well as how we support the goats here in the more temperate climate of Philadelphia. <p>This field trip program is an excellent launching point for a study of:</p> <ul style="list-style-type: none"> • natural vs artificial selection • agricultural systems and resources • common ancestry and diversity • concepts connected to Environmental Literacy and Sustainability (STEELS). <p>Pre- and post-trip lessons/activities are provided.</p>	6-8 th	<p><i>STEELS</i> 3.1.6-8.D 3.1.6-8.E 3.1.6-8.R 3.1.6-8.S 3.4.6-8.A</p> <p><i>Common Core: English</i> CC.1.2.6-8.G CC.1.4.6-8.A CC.1.5.6-8.A, C</p> <p><i>Common Core: History</i> 8.1.6-8.A</p> <p><i>Common Core: Geography</i> 7.2.6-8.A</p>
	9-12 th	<p><i>STEELS</i> 3.1.9-12.Q 3.1.9-12.T 3.1.9-12.W</p> <p><i>Common Core: English</i> CC.1.2.9-12.G CC.1.4.9-12.A CC.1.5.9-12.A, C</p> <p><i>Common Core: History</i> 8.1.9, 12.A</p> <p><i>Common Core: Geography</i> 7.2.9, 12.A</p>

For more information:

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